L13 ANSWER 1 OF 5 USPATFULL on STN
AN 2002:106439 USPATFULL
TI Production of methacrylates
IN Hidaka, Toshio, Ibaraki, JAPAN
Sato, Yoshifumi, Ibaraki, JAPAN
Taniguchi, Mitsugu, Ibaraki, JAPAN
PI US 2002055650 A1 20020509
AI US 2001-949898 A1 20010912 (9)
PRAI JP 2000-275018 20000911
DT Utility
FS APPLICATION
LREP ANTONELLI TERRY STOUT AND KRAUS, SUITE 1800, 1300 NORTH SEVENTEENTH STREET, ARLINGTON, VA, 22209
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 414
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methacrylates, particularly, esters of methacrylic acid with an alcohol having two or more carbon atoms or a polyhydric alcohol are produced by a one-stage reaction of α-hydroxyisobutyric acid and/or its ester with an alcoholic compound in the presence of a solid catalyst.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 2 OF 5 USPATFULL on STN
AN 2002:64069 USPATFULL
TI Method for etherifying a benzyl alcohol, resulting products and applications
IN Jacquot, Roland, Francheville, FRANCE
Spagnol, Michel, Meyzieu, FRANCE
PA Rhodia Chimie, Boulogne Billancourt Cedex, FRANCE (non-U.S. corporation)
PI US 6362378 B1 20020326
WO 9902475 19990121
AI US 2000-462432 20000314 (9)
WO 1998-FR1472 19980708
20000314 PCT 371 date
PRAI FR 1997-8733 19970709
DT Utility
FS GRANTED
EXNAM Primary Examiner: Keys, Rosalynd
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 907
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a process for etherification of a benzyl type alcohol, to the products obtained and to their applications, in particular in the perfumery field. The etherification process of the invention consists of reacting a benzyl type alcohol with another alcohol in the presence of a catalyst, characterized in that the etherification reaction is carried out in the presence of an effective quantity of a **zeolite**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 3 OF 5 USPATFULL on STN
AN 2002:14086 USPATFULL
TI Method for reducing a carbonyl-containing compound
IN Jacquot, Roland, Sainte Foy les Lyon, FRANCE
Spagnol, Michel, Lyons, FRANCE
PA Rhodia Chimie, Courbevoie Cedex, FRANCE (non-U.S. corporation)
PI US 6340775 B1 20020122

WO 9830517 19980716
AI US 1999-341183 19991022 (9)
WO 1998-FR10 19980106
19991022 PCT 371 date
PRAI FR 1997-42 19970106
DT Utility
FS GRANTED
EXNAM Primary Examiner: Davis, Brian J.
LREP Burns, Doane, Swecker & Mathis, L.L.P.
CLMN Number of Claims: 43
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 1409
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A subject of the present invention is a process for the reduction of a carbonyl compound. More precisely, the invention relates to a process for reduction of an aldehyde and/or of a ketone. The reduction process of the invention, which consists of reacting a carbonyl compound with an alcohol in the presence of a **zeolite** catalyst, is characterized by the fact that it comprises: mixing, in any manner whatever, the carbonyl compound and the alcohol, passing said mixture over a catalyst bed containing at least one **zeolite**, subjecting the reaction mixture leaving the catalyst bed to recirculation over the catalyst bed, for a number of times that is sufficient to obtain the desired degree of conversion of the substrate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 4 OF 5 USPATFULL on STN
AN 96:9549 USPATFULL
TI Ditertiary butyl peroxide preparation from tertiary butyl hydroperoxide
IN Knifton, John F., Austin, TX, United States
Marquis, Edward T., Austin, TX, United States
Dai, Pei-Shing E., Port Arthur, TX, United States
PA Texaco Chemical Inc., White Plains, NY, United States (U.S. corporation)
PI US 5488178 19960130
AI US 1995-401107 19950308 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Lone, Werren B.
LREP Bailey, James L., Priem, Kenneth R., Hunter, Cynthia L.
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 774
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed is a method of selective preparation of ditertiary butyl peroxide from tertiary butyl hydroperoxide and t-butanol which comprises reacting said tertiary butyl hydroperoxide and t-butanol over a solid acid catalyst selected from:

a) an acidic montmorillonite clay;

b) an acidic **zeolite** selected from the group consisting of dealuminized Y-**zeolite** and pentasil **zeolite**;

c) an acidic organic resin; and

d) heteropoly acids supported on an oxide selected from Group III or Group IV.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 5 OF 5 USPATFULL on STN

AN 95:112655 USPATFULL
TI Isopropyl alcohol and ether production from crude by-product acetone
IN Dai, Pei-Shing E., Port Arthur, TX, United States
Taylor, Jr., Robert J., Port Arthur, TX, United States
Knifton, John F., Austin, TX, United States
Martin, Bobby R., Beaumont, TX, United States
PA Texaco Chemical Inc., White Plains, NY, United States (U.S. corporation)
PI US 5476972 19951219
AI US 1994-188007 19940128 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Richter, Johann; Assistant Examiner: Peabody, John
LREP Bailey, James L., Priem, Kenneth R., Hunter, Cynthia L.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 813
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed is a one-step method for synthesis of ethers from mixtures of acetone and t-butyl alcohol which comprises reacting an acetone-rich feed over a bifunctional catalyst comprising 5%-45% by weight hydrogenation catalyst on 55%-95% of the total catalyst weight of a support comprising a **zeolite** and a Group III or IV oxide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 1 OF 2 USPATFULL on STN
AN 1999:85074 USPATFULL
TI Progress for producing surface modified metal oxide compositions
IN Koehlert, Kenneth C., Champaign, IL, United States
Smith, Douglas M., Albuquerque, NM, United States
Ackerman, William C., Champaign, IL, United States
Wallace, Stephen, Albuquerque, NM, United States
Kaul, David J., Champaign, IL, United States
PA Cabot Corporation, Boston, MA, United States (U.S. corporation)
PI US 5928723 19990727
AI US 1997-826978 19970409 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Beck, Shrive; Assistant Examiner: Meeks, Timothy
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 2165
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A process for producing surface modified metal oxide and/or organo-metal oxide compositions comprising esterifying at least a portion of the metal oxide and/or organo-metal oxide composition through contact with at least one esterification agent and at least one catalyst wherein the esterification agent and the catalyst are in the **liquid phase**. The process may be utilized to produce hydrophobic metal oxide and/or organo-metal oxide compositions at ambient temperature and/or ambient pressure conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 2 OF 2 USPATFULL on STN
AN 1998:22455 USPATFULL
TI Catalytic decomposition of formate **impurities** in tertiary butyl alcohol and methyl tertiary butyl ether streams
IN Dai, Pei-Shing Eugene, Port Arthur, TX, United States
Neff, Laurence Darrel, Port Arthur, TX, United States
Preston, Kyle Lee, Port Arthur, TX, United States
Hwan, Rei-Yu Judy, Sugar Land, TX, United States
PA Huntsman Specialty Chemicals Corporation, Austin, TX, United States (U.S. corporation)
PI US 5723698 19980303
AI US 1995-573822 19951218 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Geist, Gary; Assistant Examiner: Puttlitz, Jr., Karl J.
LREP Stolle, Russell R., Brown, Ron D., Ries, Carl G.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 6 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 656
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed is a method for decomposing formate esters, free acids and peroxides in a tertiary butyl alcohol stream to produce noncondensible gas products which comprises reacting said tertiary butyl alcohol stream or a methyl tertiary butyl alcohol stream containing formate esters over a catalyst comprising a non-noble Group VIII metal and a metal of Group IB on a support comprising an inert composition mixed with a hydrotalcite-like composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L27 ANSWER 1 OF 1 USPATFULL on STN
AN 95:112655 USPATFULL
TI Isopropyl alcohol and ether production from crude by-product acetone
IN Dai, Pei-Shing E., Port Arthur, TX, United States
Taylor, Jr., Robert J., Port Arthur, TX, United States
Knifton, John F., Austin, TX, United States
Martin, Bobby R., Beaumont, TX, United States
PA Texaco Chemical Inc., White Plains, NY, United States (U.S. corporation)
PI US 5476972 19951219
AI US 1994-188007 19940128 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Richter, Johann; Assistant Examiner: Peabody, John
LREP Bailey, James L., Priem, Kenneth R., Hunter, Cynthia L.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 813
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed is a one-step method for synthesis of ethers from mixtures of acetone and t-butyl alcohol which comprises reacting an acetone-rich feed over a bifunctional catalyst comprising 5%-45% by weight hydrogenation catalyst on 55%-95% of the total catalyst weight of a support comprising a **zeolite** and a Group III or IV oxide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L51 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:548740 CAPLUS
DN 129:137609
TI Process and **zeolite** catalysts for **reducing** carbonyl compounds to alcohols
IN Jacquot, Roland; Spagnol, Michel
PA Rhodia Chimie, Fr.
SO Fr. Demande, 42 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2758138	A1	19980710	FR 1997-42	19970106
	FR 2758138	B1	19990129		
	ZA 9800026	A	19980827	ZA 1998-26	19980105
	WO 9830517	A1	19980716	WO 1998-FR10	19980106
	W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9858687	A1	19980803	AU 1998-58687	19980106
	EP 956278	A1	19991117	EP 1998-902027	19980106
	EP 956278	B1	20030402		
	R: CH, DE, GB, IT, LI, NL				
	JP 2001508772	T2	20010703	JP 1998-530594	19980106
	US 6340775	B1	20020122	US 1999-341183	19991022
PRAI	FR 1997-42	A	19970106		
	WO 1998-FR10	W	19980106		

OS MARPAT 129:137609
AB Carbonyl compds. (e.g., 4-tert-butylcyclohexanone) are **reduced** to alcs. (e.g., cis-4-tert-butylcyclohexanol) in the presence of at least one **zeolite** catalyst in a reaction zone containing a bed of the catalyst. A process flow diagram is presented.

L51 ANSWER 9 OF 10 USPATFULL on STN
AN 2000:138568 USPATFULL
TI Methods for decomposing esters and purifying alcohols
IN Knifton, John Frederick, Houston, TX, United States
Sanderson, John Ronald, Austin, TX, United States
Smith, William Alan, Round Rock, TX, United States
Goshinska, James Douglas, Cedar Park, TX, United States
Mueller, Mark Allen, Austin, TX, United States
PA Huntsman ICI Chemical LLC, United States (U.S. corporation)
PI US 6133484 20001017
AI US 1999-253687 19990218 (9)
RLI Continuation-in-part of Ser. No. US 1997-966879, filed on 10 Nov 1997 which is a continuation-in-part of Ser. No. US 1996-727718, filed on 7 Oct 1996
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Aulakh, Charanjit S.
LREP O'Keefe, Egan & Peterman
CLMN Number of Claims: 56
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 2186
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A tertiary butyl alcohol charge stock typically contaminated with from about 0.5 to about 2 weight % of formates and peroxides, is passed through an oxygenates decomposition reactor containing a bed of a decomposition catalyst comprising rhodium, platinum, palladium or mixture thereof at a temperature of from about 100 to about 280C to decompose the peroxides and formates, and to dehydrate a portion of the tertiary butyl alcohol to form isobutylene and water to thereby form a non-corrosive tertiary butyl alcohol feedstock that is substantially free from formates that is suitable for reaction with methanol in a methyl tertiary butyl ether etherification reactor to form a non-corrosive methyl tertiary butyl ether etherification reaction product from which methyl tertiary butyl ether can be recovered.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L51 ANSWER 10 OF 10 USPATFULL on STN
AN 1999:96543 USPATFULL
TI Methods for decomposing esters and purifying alcohols
IN Knifton, John Frederick, Houston, TX, United States
Sanderson, John Ronald, Austin, TX, United States
Smith, William Alan, Round Rock, TX, United States
PA Huntsman Specialty Chemicals Corp., Austin, TX, United States (U.S. corporation)
PI US 5939592 19990817
AI US 1997-966879 19971110 (8)
RLI Continuation-in-part of Ser. No. US 1996-727718, filed on 7 Oct 1996, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.; Assistant Examiner: Aulakh, Charanjit S.
LREP Arnold, White & Durkee
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1908
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A tertiary butyl alcohol charge stock typically contaminated with from about 0.5 to about 2 weight % of formates and peroxides, is passed through an oxygenates decomposition reactor containing a bed of a decomposition

catalyst comprising rhodium, platinum, palladium or mixture thereof at a temperature of from about 100 to about 280° C. to decompose the peroxides and formates, and to dehydrate a portion of the tertiary butyl alcohol to form isobutylene and water to thereby form a non-corrosive tertiary butyl alcohol feedstock that is substantially free from formates that is suitable for reaction with methanol in a methyl tertiary butyl ether etherification reactor to form a non-corrosive methyl tertiary butyl ether etherification reaction product from which methyl tertiary butyl ether can be recovered.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L55 ANSWER 1 OF 2 USPATFULL on STN
AN 94:100033 USPATFULL
TI Process for the production of unsymmetrical tert-dialkyl ethers
IN Kerby, Michael C., Baton Rouge, LA, United States
Vaughan, David E. W., Flemington, NJ, United States
PA Exxon Research & Engineering Co., Florham Park, NJ, United States (U.S. corporation)
PI US 5364980 19941115
AI US 1991-816318 19911230 (7)
DT Utility
FS Granted
EXNAM Primary Examiner: Mars, Howard T.
LREP Henry & Naylor
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 462
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for preparing unsymmetrical dialkyl ethers and derivatives thereof. The ethers are prepared by reacting a C.sub.1 to C.sub.3 aliphatic alcohol with a tertiary alcohol in the presence of a novel catalyst comprised of a transition metal pillared interlayered clay having generally separated layers wherein the interlayer distances are substantially greater than a precursor of the same but non-separated clay and wherein the product includes multimetallic pillars comprised of a cationic polymeric complex of the formula:

Al.sup.iv (Al.sub.12-x M.sub.x).sup.vi O.sub.4 (OH).sub.24.sup.a+

where x is a number from 1 to 6; a depends on the selection of M and N; N is selected from Al.sup.3+, Si.sup.4+, Ga.sup.3+, Ge.sup.4+, As.sup.5+, P.sup.5+, Cr.sup.3+, Fe.sup.3+, V.sup.5+, Ru.sup.3+, Ru.sup.4+, N.sup.3+ ; and M is selected from a metal from Groups 5B, 6B, 7B and 8 of the 4th, 5th and 6th Periods of the Periodic Table of the Elements.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L55 ANSWER 2 OF 2 USPATFULL on STN
AN 94:100029 USPATFULL
TI Alkylation/etherification process
IN Kallenbach, Lyle R., Bartlesville, OK, United States
PA Phillips Petroleum Company, Bartlesville, OK, United States (U.S. corporation)
PI US 5364976 19941115
AI US 1993-145270 19931029 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Mars, Howard T.
LREP Brandes, K. K.
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 451
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A process for simultaneously producing C.sub.5 -C.sub.12 alkane(s) and C.sub.5 -C.sub.8 tertiary alkyl ether(s) employs a liquid feed mixture containing (a) at least one C.sub.4 -C.sub.7 isoalkane, (b) at least one second reactant which is at least one C.sub.4 -C.sub.8 isoalkane, and/or at least one C.sub.4 -C.sub.8 tertiary alkyl alcohol, and (c) at least one C.sub.1 -C.sub.6 linear alkyl alcohol, wherein the liquid feed mixture is contacted at effective reaction conditions with a catalyst consisting essentially of trifluoromethanesulfonic acid and a specific

solid carrier material (preferably alumina).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L57 ANSWER 6 OF 8 USPATFULL on STN
AN 91:98100 USPATFULL
TI Separation of mixture components over membrane composed of a pure molecular sieve
IN Haag, Werner O., Lawrenceville, NJ, United States
Tsikoyiannis, John G., Princeton, NJ, United States
PA Mobil Oil Corp., Fairfax, VA, United States (U.S. corporation)
PI US 5069794 19911203
AI US 1991-674635 19910325 (7)
RLI Continuation-in-part of Ser. No. US 1990-533328, filed on 5 Jun 1990, now patented, Pat. No. US 5019263
DT Utility
FS Granted
EXNAM Primary Examiner: Dawson, Robert A.; Assistant Examiner: Fortuna, Ana
LREP McKillop, Alexander J., Speciale, Charles J., Santini, Dennis P.
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 6 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 915
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A process is provided for separation of components of a gaseous or liquid mixture which comprises contacting the mixture with a synthetic, non-composited microporous membrane comprising a continuous array of crystalline molecular sieve material.

(FILE 'HOME' ENTERED AT 15:19:42 ON 04 MAY 2004)

FILE 'REGISTRY' ENTERED AT 15:20:10 ON 04 MAY 2004

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L1             0 S TERTIARY BUTANOL/CN
L2             0 S TERTIARY BUTYL ALCOHOL/CN
L3             1 S T-BUTANOL/CN
L4             1 S ALUMINUM OXIDE/CN
L5             0 S ZEOLITE X/CN
L6             3 S ZEOLITE Y
L7             0 S ZEOLITE Y/CN
L8             0 S ZEOLITE/CN
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FILE 'CAPLUS, USPATFULL, CA, CAOLD' ENTERED AT 15:23:01 ON 04 MAY 2004

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L9           543 S L3 AND L4
L10          108 S L9 AND ZEOLITE
L11           19 S L10 AND LIQUID PHASE
L12            5 S L11 AND ZEOLITE X
L13            5 DUP REM L12 (0 DUPLICATES REMOVED)
L14           14 S L11 NOT L13
L15            2 S L14 AND IMPURI?
L16           17 S L10 AND MOLECULAR SIEVE
L17           14 S L16 NOT L13
L18           13 S L17 NOT L15
L19           18 S L11 NOT L18
L20           13 S L19 NOT L13
L21           11 S L20 NOT L15
L22           10 DUP REM L21 (1 DUPLICATE REMOVED)
L23           26 S L3 (P) ALUMINUM OXIDE
L24            0 S L23 (P) ZEOLITE
L25            0 S L23 AND ZEOLITE
L26           16 S L10 AND PORE
L27            1 S L26 AND ANGSTROM?
L28            6 S L26 AND IMPUR?
L29            6 DUP REM L28 (0 DUPLICATES REMOVED)
L30           13 S L10 AND ALUMINUM OXIDE
L31           13 S L30 NOT L6
L32           11 S L30 NOT L29
L33            8 DUP REM L32 (3 DUPLICATES REMOVED)
L34           10 S L26 NOT L29
L35            9 S L34 NOT L33
L36            6 S L35 NOT L13
L37            6 S L36 NOT L15
L38            4 S L37 NOT L22
L39            2 DUP REM L38 (2 DUPLICATES REMOVED)
L40           12 S L14 NOT L15
L41           12 S L40 NOT L13
L42            2 S L41 NOT L22
L43          110 S L9 AND ?ZEOLIT?
L44           97 S L43 NOT L30
L45           22 S L44 AND REDUC?
L46           24 S L44 AND REMOV?
L47           19 DUP REM L45 (3 DUPLICATES REMOVED)
L48           14 S L47 NOT L22
L49           14 S L48 NOT L33
L50           11 S L49 NOT L29
L51           10 S L50 NOT L42
L52         2048 S TERTIARY BUTYL ALCOHOL
L53           48 S L52 AND ALUMINUM OXIDE
L54           10 S L53 AND ZEOLITE
L55            2 S L54 AND LIQUID PHASE
L56            8 S L54 NOT L55
L57            8 DUP REM L56 (0 DUPLICATES REMOVED)
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L5 ANSWER 1 OF 15 USPATFULL on STN
AN 2004:91493 USPATFULL
TI Recovery of alcohols from fischer-tropsch naphtha and distillate fuels containing the same
IN O'Rear, Dennis J., Petaluma, CA, UNITED STATES
Harris, Thomas Van, Solano, CA, UNITED STATES
Chen, Cong-Yan, Kensington, CA, UNITED STATES
PI US 2004068923 A1 20040415
AI US 2002-267406 A1 20021009 (10)
DT Utility
FS APPLICATION
LREP Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 865
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Olefins and alcohols present in Fischer-Tropsch products are converted to primary and secondary alkyl alcohols having at least four carbons through acid catalyzed etherification and hydrolysis reactions. The alcohols are added to a highly isoparaffinic distillate fuel blend, improving the lubricity of the mixture, and forming a distillate fuel with improved lubricity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 15 USPATFULL on STN
AN 2004:76199 USPATFULL
TI Water-based pest bait compositions having water-sensitive insecticides and methods of making and use thereof
IN Gardner, James P., JR., Stillwater, MN, UNITED STATES
Barcay, S. John, Burnsville, MN, UNITED STATES
Matts, Emory H., St. Paul, MN, UNITED STATES
Lange, Steven J., St. Paul, MN, UNITED STATES
Mohs, Thomas R., Eagan, MN, UNITED STATES
Hei, Robert D., Baldwin, WI, UNITED STATES
PA Ecolab Inc. (U.S. corporation)
PI US 2004057977 A1 20040325
AI US 2003-661912 A1 20030912 (10)
RLI Continuation-in-part of Ser. No. US 2002-115459, filed on 2 Apr 2002, PENDING Division of Ser. No. US 1999-404985, filed on 22 Sep 1999, ABANDONED
DT Utility
FS APPLICATION
LREP MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903
CLMN Number of Claims: 52
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 1345
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compositions, methods-of-preparing, and methods-of-use of a water-based rapid acting insecticidal bait containing a stabilized water-sensitive insecticide as an active ingredient are described. Also described is a storage stable composition containing the water-sensitive insecticide and an insecticide stabilizer, such as boric acid or a nanoparticle. The composition can be easily applied into cracks, crevices, voids, or other pest harborage areas to rapidly kill insect pests, particularly cockroaches.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 15 USPATFULL on STN

AN 2003:181752 USPATFULL
TI Process for preparing alkylated dihydroxybenzene
IN Sankarasubbier, Narayanan, Andhra Pradesh, INDIA
Srinivasan, Palaniappan, Andhra Pradesh, INDIA
Satya Bhaskara Sita Rama Murthy, Katravulapalli Veera Venkata, Andhra Pradesh, INDIA
PI US 2003125586 A1 20030703
AI US 2001-32890 A1 20011226 (10)
DT Utility
FS APPLICATION
LREP Morgan & Finnegan L.L.P., Maria C.H. Lin, 345 Park Avenue, New York, NY, 10154-0053
CLMN Number of Claims: 5
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 268
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a process for the preparation of alkylated dihydroxybenzene by alkylating dihydroxy benzene with **tertiary butyl alcohol** in the presence of a solid acid/solid polymer catalyst.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 15 USPATFULL on STN
AN 2003:33585 USPATFULL
TI Method of producing cyclododecanone and cyclododecanol
IN Kuroda, Nobuyuki, Ube, JAPAN
Shiraishi, Hiroshi, Ube, JAPAN
Nakamura, Takato, Ube, JAPAN
PA Ube Industries, Ltd., Ube, JAPAN (non-U.S. corporation)
PI US 6515185 B1 20030204
AI US 2000-677985 20001003 (9)
PRAI JP 1999-282697 19991004
JP 2000-100500 20000403
DT Utility
FS GRANTED
EXNAM Primary Examiner: Richter, Johann; Assistant Examiner: Witherspoon, Sikarl A.
LREP Morgan, Lewis & Bockius LLP
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 470
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Cyclododecanone and cyclododecanol are produced each in high yield by reacting a epoxycyclododecane compound with hydrogen in the presence of a solid catalyst containing (a) catalytic component including a platinum group metal, (b) a promoter component including a VIII group, IIb group, IIIb group, IVb group, Vb group VIb group or VIIb group element or lanthanoid element or compound of the element, and (c) a carrier supporting the components (a) and (b) thereon.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 15 USPATFULL on STN
AN 2000:138568 USPATFULL
TI Methods for decomposing esters and purifying alcohols
IN Knifton, John Frederick, Houston, TX, United States
Sanderson, John Ronald, Austin, TX, United States
Smith, William Alan, Round Rock, TX, United States
Goshinska, James Douglas, Cedar Park, TX, United States
Mueller, Mark Allen, Austin, TX, United States
PA Huntsman ICI Chemical LLC, United States (U.S. corporation)

PI US 6133484 20001017
AI US 1999-253687 19990218 (9)
RLI Continuation-in-part of Ser. No. US 1997-966879, filed on 10 Nov 1997 which is a continuation-in-part of Ser. No. US 1996-727718, filed on 7 Oct 1996
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Aulakh, Charanjit S.
LREP O'Keefe, Egan & Peterman
CLMN Number of Claims: 56
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 2186
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A **tertiary butyl alcohol** charge stock typically contaminated with from about 0.5 to about 2 weight % of formates and peroxides, is passed through an oxygenates decomposition reactor containing a bed of a decomposition catalyst comprising rhodium, platinum, palladium or mixture thereof at a temperature of from about 100 to about 280C to decompose the peroxides and formates, and to dehydrate a portion of the **tertiary butyl alcohol** to form isobutylene and water to thereby form a non-corrosive **tertiary butyl alcohol** feedstock that is substantially free from formates that is suitable for reaction with methanol in a methyl tertiary butyl ether etherification reactor to form a non-corrosive methyl tertiary butyl ether etherification reaction product from which methyl tertiary butyl ether can be recovered.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 15 USPATFULL on STN
AN 1999:96543 USPATFULL
TI Methods for decomposing esters and purifying alcohols
IN Knifton, John Frederick, Houston, TX, United States
Sanderson, John Ronald, Austin, TX, United States
Smith, William Alan, Round Rock, TX, United States
PA Huntsman Specialty Chemicals Corp., Austin, TX, United States (U.S. corporation)
PI US 5939592 19990817
AI US 1997-966879 19971110 (8)
RLI Continuation-in-part of Ser. No. US 1996-727718, filed on 7 Oct 1996, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.; Assistant Examiner: Aulakh, Charanjit S.
LREP Arnold, White & Durkee
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1908
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A **tertiary butyl alcohol** charge stock typically contaminated with from about 0.5 to about 2 weight % of formates and peroxides, is passed through an oxygenates decomposition reactor containing a bed of a decomposition catalyst comprising rhodium, platinum, palladium or mixture thereof at a temperature of from about 100 to about 280° C. to decompose the peroxides and formates, and to dehydrate a portion of the **tertiary butyl alcohol** to form isobutylene and water to thereby form a non-corrosive **tertiary butyl alcohol** feedstock that is substantially free from formates that is suitable for reaction with methanol in a methyl tertiary butyl ether etherification

reactor to form a non-corrosive methyl tertiary butyl ether etherification reaction product from which methyl tertiary butyl ether can be recovered.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 15 USPATFULL on STN
AN 1998:22455 USPATFULL
TI Catalytic decomposition of formate impurities in **tertiary butyl alcohol** and methyl tertiary butyl ether streams
IN Dai, Pei-Shing Eugene, Port Arthur, TX, United States
Neff, Laurence Darrel, Port Arthur, TX, United States
Preston, Kyle Lee, Port Arthur, TX, United States
Hwan, Rei-Yu Judy, Sugar Land, TX, United States
PA Huntsman Specialty Chemicals Corporation, Austin, TX, United States (U.S. corporation)
PI US 5723698 19980303
AI US 1995-573822 19951218 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Geist, Gary; Assistant Examiner: Puttlitz, Jr., Karl J.
LREP Stolle, Russell R., Brown, Ron D., Ries, Carl G.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 6 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 656
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed is a method for decomposing formate esters, free acids and peroxides in a **tertiary butyl alcohol** stream to produce noncondensible gas products which comprises reacting said **tertiary butyl alcohol** stream or a methyl **tertiary butyl alcohol** stream containing formate esters over a catalyst comprising a non-noble Group VIII metal and a metal of Group IB on a support comprising an inert composition mixed with a hydrotalcite-like composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

(FILE 'HOME' ENTERED AT 17:05:23 ON 04 MAY 2004)

FILE 'REGISTRY' ENTERED AT 17:05:39 ON 04 MAY 2004

L1 1 S ALUMINUM OXIDE/CN

FILE 'CAPLUS, USPATFULL, CA, CAOLD' ENTERED AT 17:06:01 ON 04 MAY 2004

L2 2048 S TERTIARY BUTYL ALCOHOL

L3 41 S L2 AND L1

L4 15 S L3 AND ZEOLITE

L5 15 DUP REM L4 (0 DUPLICATES REMOVED)